

# WASHINGTON

## Science and Engineering Profile

	Washington	U.S.	Rank		Washington	U.S.	Rank
Doctoral scientists, 1993	10,216	430,332	15	Total R&D performance, 1993 (millions)	\$5,422	\$161,427	11
Doctoral engineers, 1993	1,848	81,293	13	Industry R&D, 1993 (millions)	\$4,689	\$117,622	10
S&E doctorates awarded, 1995	466	26,482	19	Academic R&D, 1994 (millions)	\$438	\$20,573	14
of which, in life sciences	30%	24%		of which, in life sciences	63%	55%	
in engineering	22%	23%		in environmental sciences	13%	7%	
in social sciences	14%	15%		in engineering	7%	16%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	992	36,143	11	expenditures, 1993 (millions)	\$2,922	\$163,994	20
S&E graduate students, 1994				Number of SBIR awards, 1990-94	357	18,023	14
in doctorate-granting institutions	6,042	438,694	24	Patents issued to state residents, 1995	1,034	55,717	17
Population, 1995 (000s)	5,431	262,755	15	Gross state product, 1992 (billions)	\$127.6	\$5,994.1	14
Civilian labor force, 1995 (000s)	2,805	132,281	17	of which, agriculture	3%	2%	
Personal income per capita, 1995	\$23,639	\$22,788	14	manufacturing, mining, construction	21%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1995 (millions)	\$28,899	\$1,326,294	16	wholesale and retail trade	18%	16%	
R&D obligations, 1994 (millions)	\$950	\$65,654	18	finance, insurance, real estate	17%	18%	
				services	19%	20%	
				government	14%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

### Federal Obligations for Research and Development in Washington by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	950,186	149,445	144,292	252,012	306,621	91,598	6,218	18
<b>Department of Agriculture</b>	35,783	18,915	0	188	16,479	131	70	11
<b>Department of Commerce</b>	59,818	54,990	0	2,086	2,610	0	132	3
<b>Department of Defense</b>	274,002	47,480	3,090	193,005	25,449	4,978	0	21
<b>Department of Energy</b>	167,743	7,532	133,609	8,841	17,345	116	300	10
<b>Dept. of Health &amp; Human Services</b>	290,859	19	7,593	6,333	189,461	83,256	4,197	8
<b>Department of the Interior</b>	22,731	19,643	0	736	2,307	45	0	7
<b>Department of Transportation</b>	3,110	0	0	1,176	438	40	1,456	31
<b>Environmental Protection Agency</b>	858	0	0	0	795	0	63	35
<b>Nat'l Aeronautics &amp; Space Admin.</b>	48,929	866	0	38,431	9,257	375	0	13
<b>National Science Foundation</b>	46,353	0	0	1,216	42,480	2,657	0	13
<b>State rank</b>	18	18	9	19	11	8	7	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.